

Message

From: Wright, DavidA [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=4F14A47C701547479B12BEE35117D0A9-WRIGHT, DAVID A.]
Sent: 11/25/2014 8:01:33 PM
To: Jonathon Packard [jonathon.packard@gm.com]; Randall C. Harvey [randall.c.harvey@gm.com]
CC: Ball, Joel [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=92af2ab6f5274bc597249d04358ef25f-Ball, Joel]; Wehrly, Linc [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=64e5f31ccb4841018441b3bf074842d0-Wehrly, Linc]
Subject: EPA request for information - Duramax diesel NOx sensor failures

Jon and Randy,

EPA and GM have scheduled a meeting on December 9 to review the emission performance of the Duramax Diesel with failing/failed NOx sensors. EPA is requesting GM provide the following information and data at our meeting on December 9th –

A description of the mechanism which results in ammonia being converted to NOx in the DPF and emission test data showing the efficiency of the ammonia conversion. Please provide data showing the NOx and ammonia levels which are expected when the system falsely detects poor DEF quality due to a failing/failed NOx sensor.

At our November 12th meeting GM described an adaptation method used to prevent ammonia slip. The method requires a functioning NOx sensor. Please explain how this adaptation method would be effective in controlling ammonia slip when a failing/failed NOx sensor is present in either the upstream or downstream location.

EPA requests GM provide emissions data demonstrating the emissions impact of a failed NOx sensor in both the upstream and downstream locations. EPA would accept data from OBD performance/demonstration testing in response to this request.

EPA requests updated warranty data for the NOx sensors and projections of the anticipated failure rate.

EPA requests warranty/service data indicating the number of incidences of poor DEF quality warning lights or faults set.

EPA requests GM provide copies of the service information/bulletins addressing the poor DEF quality codes and the NOx sensors.

Let me know if you have any questions or concerns regarding any of the information requested in this e-mail.

Regards,

David

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